



IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Peter J. Fricke et al

Confirmation N .:

Application No.: 10/650895

Examiner: Jung H. Hur

Filing Date: Aug 25, 2003

Group Art Unit: 2824

Title: Cubic Memory Array

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

☒ I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: 10/1/03

OR

☐ I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number _____ on _____ Number of pages: _____

Typed Name: Timothy F. Myers

Signature: Timothy F. Myers

Respectfully submitted,

Peter J. Fricke et al

By Timothy F. Myers

Timothy F. Myers

Attorney/Agent for Applicant(s)

Reg. No. **42,919**

Date: 10/1/03

Telephone No.: **541 715 4197**

**PATENT APPLICATION**

Sheet 1 of 3

FORM PTO-1449

**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

10018228-4

APPLICATION NO.

10/650,895

CONFIRMATION NO.

APPLICANT

Pet r J. Fricke et al

FILING DATE

Aug 25, 2003

GROUP

2824**REFERENCE DESIGNATION****U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	3,271,591	Sep 06, 1961	Ovshinsky	
	1B	3,530,441	Sep 22, 1970	Ovshinsky	
	1C	3,641,516	Feb 08, 1972	Castrucci et al	
	1D	4,499,557	Feb 12, 1985	Holmberg et al	
	1E	4,599,705	Jul 08, 1986	Holmbert et al	
	1F	5,335,219	Aug 02, 1994	Ovshinsky et al	
	1G	5,625,220	Apr 29, 1997	Liu et al	
	1H	5,659,500	Aug 19, 1997	Mehrad	
	1I	5,751,012	May 12, 1998	Wolstenholme et al	
	1J	5,821,558	Oct 13, 1998	Han et al	
	1K	5,835,396	Nov 10, 1998	Zhang	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Victor, W.C. Chan et al "Multiple Layers of CMOS Inegrated Circuites Using Recrystallized Silicon Film" IEEE Electron Device Letters, V. 22(2), Feb. 2001, pp 77-79
	1R	Thomas H. Lee, "A Vertical Leap for Microchips," Scientific American, Jan 2002, pp 53-59
	1S	Esmat Hamdy et al, "Dielectric based antifuses for logic and memory ICs" IEEE International Electron Devices Meeting, IEDM 88, Aug 1988, pp 786-789

EXAMINER

DATE CONSIDERED



PATENT APPLICATION

Sheet 2 of 3

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10004803-2

APPLICATION NO.

10/632,721

CONFIRMATION NO.

APPLICANT

Vladek P. Kasperchik et al

FILING DATE

Aug 01, 2003

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	5,942,777	Aug 24, 1999	Chang	
	2B	6,002,607	Dec 14, 1999	Dvir	
	2C	6,026,017	Feb 15, 2000	Wong et al	
	2D	6,034,882	Mar 07, 2000	Johnson et al	
	2E	6,111,302	Aug 29, 2000	Zhang et al	
	2F	6,185,121B1	Feb 06, 2001	O'Neill	
	2G	6,185,122B1	Feb 06, 2001	Johnson et al	
	2H	6,033,955	Mar 07, 2000	Kuo et al	
	2I	01/0011776A1	Aug 09 2001	Igarashi et al	
	2J	01/0055838A1	Dec 27, 2001	Walker et al	
	2K	6,351,406B1	Feb 26, 2002	Johnson et al	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	Chenming Hu, "Interconnect devices for field programmable gate array." IEEE International Electron Devices Meeting, IEDM 92 (Apr 1992, pp 591-594
	2R	Jonathan Green et al, "Antifuse Field Programmable Gate Arrays", Proc IEEE Vol. 81(7), July 1993, pp 1042-1056.
	2S	Vivek D. Kulkarni et al, "Patterning of Submicron Metal Features and Pillars in Multil vel Metallization", J. Electrochem. Soc. V.135(12), Dec. 1988, pp 2094-3098.

EXAMINER

DATE CONSIDERED

**PATENT APPLICATION**

Sheet 3 of 3

FORM PTO-1449

**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

10004803-2

APPLICATION NO.

10/632,721

CONFIRMATION NO.

APPLICANT

Vladek P. Kasperchik et al

FILING DATE

Aug 01, 2003

GROUP

REFERENCE DESIGNATION**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A	5,969,380	Oct 1999	Seyyed	
	3B				
	3C				
	3D				
	3E				
	3F				
	3G				
	3H				
	3I				
	3J				
	3K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L					
	3M					
	3N					
	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	
	3R	
	3S	

EXAMINER

DATE CONSIDERED